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**ГУМАНИТАРНОЕ ПРОСТРАНСТВО
МЕЖДУНАРОДНЫЙ АЛЬМАНАХ**



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**Первая находка *Aphodius spalacophilus* Novikov
(Coleoptera: Scarabaeidae: Aphodiinae)
в Ульяновской области***

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Ключевые слова: Coleoptera, Scarabaeidae, *Aphodius spalacophilus*, новое указание, Ульяновская область, Россия.

Key words: Coleoptera, Scarabaeidae, *Aphodius spalacophilus*, new record, Ulyanovsk Oblast, Russia.

Резюме: *Aphodius spalacophilus* Novikov (Coleoptera: Scarabaeidae) обнаружен в Ульяновской области (новое указание), что значительно расширяет известный ареал вида на северо-восток.

Abstract: *Aphodius spalacophilus* Novikov (Coleoptera: Scarabaeidae) is reported from Ulyanovsk Oblast (new record). This considerably expands the known range of this species in the northeastern direction.

[Gusakov A.A. The first record of *Aphodius spalacophilus* Novikov (Coleoptera: Scarabaeidae: Aphodiinae) from Ulyanovsk Oblast]

В начале мая 2011 года на юге Ульяновской области нам удалось обнаружить редкий в коллекциях ботриобионтный вид рода *Aphodius* Hellwig, 1798.

***Aphodius spalacophilus* Novikov, 1996**

Рис. 1

Aphodius (Orodaliscus) spalacophilus Novikov, 1996: 75 (Харьковская область); Ахметова, Фролов, 2014: 425, 435, 439.

Aphodius (Amidorus) spalacophilus Novikov: Новиков, 1998: 48 (Донецкая область); Мартынов, 1999: 24-25 (Луганская область).

Aphodius (?Amidorus) spalacophilus Novikov: Кабаков, 1998: 9-10 (Курская область).

Aphodius spalacophilus Novikov: Вовк, 2000: 67; Трач, Гонтаренко, 2005: 80 (Одесская область); Ахметова, 2010: 8, 13, 20.

* Работа выполнена в рамках гостемы № АААА-А16-116021660077-3.

- Amidorus spalacophilus* (Novikov): Шохин, Бозаджиев, 2003: 479 (Ростовская область); Шохин, 2011: 162, 166.
- Aphodius (Pseudacrossus) spalacophilus* Novikov: Dellacasa, Dellacasa, 2006: 137; Мартынов, 2012: 20 (Запорожская область), 31.
- ?*Amidorus spalacophilus* (Novikov): Шохин, 2007: 143.
- Aphodius (Pseudacrossus) spalacophilus* (Novikov) (sic): Васько, 2010: 27.
- Pseudacrossus spalacophilus* (Novikov): Dellacasa et al. 2016: 12, 149.

Материал. Одна самка (Рис. 1) в коллекции Зоологического музея МГУ (№ ZMMU Col 03016): Россия, Ульяновская область, Радищевский район, около 8 км северо-восточнее пос. Верхняя Маза, близ леса Большие Атмалы, в свежем выбросе почвы возле норы слепыша (*Spalax microphthalmus* Güldenstädt, 1770), 115 м, N 52°59'10", E 048°00'55", 07.05.2011, А.А. Гусаков / определил А.А. Гусаков 2011.

Material. A single female (Fig. 1) in the collection of the Zoological Museum of Moscow State University (№ ZMMU Col 03016). The sample was collected in: Russia, Ulyanovsk Oblast, Radishchevsky District, about 8 km northeast of Verkhnyaya Maza village, near Bol'shiye Atmaly forest, in freshly excavated soil near a burrow of the greater mole-rat (*Spalax microphthalmus* Güldenstädt, 1770), 115 m, N 52°59'10", E 048°00'55", 07 May 2011, A.A. Gusakov leg. / A.A. Gusakov det. 2011.

Примечание. *Aphodius spalacophilus* – сравнительно малоизвестный вид с неопределённым (incertae sedis) в системе рода положением (Новиков, 1996, 1998; Кабаков, 1998; Мартынов, 1999, 2012; Вовк, 2000; Шохин, Бозаджиев, 2003; Трач, Гонтаренко, 2005; Dellacasa, Dellacasa, 2006; Шохин, 2007, 2011; Ахметова, 2010; Васько, 2010; Ахметова, Фролов, 2014; Dellacasa et al. 2016). Известен из степей ряда областей Украины (Одесской, Запорожской, Харьковской, Донецкой, Луганской) и России (Курской, Ростовской, Ульяновской), где обитает в норах южно-русского слепыша (*Spalax microphthalmus*). Находка вида в Ульяновской области существенно расширила его известный ареал на северо-восток, поскольку выявленный нами локалитет удалён от ранее известных в России местонахождений вида на более чем 800 км.

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Рис. 1. *Aphodius spalacophilus* Novikov, самка из Ульяновской области (№ ZMMU Col 03016), общий вид сверху, длина 5.8 мм. Автор снимка: М.Э. Смирнов.

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Mass collection of two rare Longicorn-species (Coleoptera, Cerambycidae) in Central Russia

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Key words: Coleoptera, Cerambycidae, morphology, sexual dimorphism, Russia.

Abstract: Mass collection of *Leptura (Macroleptura) thoracica* Creutzer, 1799 and *Purpuricenus kaehleri* (Linnaeus, 1758) in Mordovia and Penza Region of Russia is described. Sexual dimorphism in *Leptura thoracica* is described for the first time. Subspecies status of *P. k. rossicus* Danilevsky, 2019 is proved.

Introduction

Leptura (Macroleptura) thoracica Creutzer, 1799 and *Purpuricenus kaehleri* (Linnaeus, 1758) are not very numerous in European Russia (Russian *P. kaehleri* was recently described as *P. k. rossicus* Danilevsky, 2019). Both species are often very rare in the most of known localities.

Beetles were collected during spring-summer season in 2019 by crown traps with fermenting baits. This method was rather effective in the region (Egorov, Ivanov, 2018; Ruchin, Egorov, 2018a, 2018b). Each trap consisted of a plastic five-liter container with a window cut into it on one side at a distance of 10 cm from the bottom. A rope with an attached trap was thrown onto a tree branch at a height of 8 to 10 m from the soil surface with the help of a load. In each case, fermenting beer, various mixtures of dry wine with honey, jam or sugar were used as bait.

The collecting localities were situated in Penza Region (not far from the city), in the Mordovia State Nature Reserve and in National Park «Smolny». The biotopes were usually represented by broad-leaved forests with *Quercus robur* L., *Tilia cordata* Mill., *Betula pendula* Roth, *U. glabra* Huds., *Alnus glutinosa* (L.) Gaertn., *Fraxinus excelsior* L., *Populus tremula* L., *Corylus avellana* L., *Euonymus verrucosa* Scop., *Padus avium* Mill., *Sorbus aucuparia* L., *Lonicera xylosteum* L. and others.

Each trap (totally about 30) was exposed from May to July 2019 and checked every week.

Results

***Leptura (Macroleptura) thoracica* Creutzer, 1799**

Totally 295 specimens were collected in 14 localities (239 males, 56 females). Most of specimens were collected in three sites:

1. Quarter 393 of Mordovia State Nature Reserve, 6-17.6.2019 - 144 specimens (125 males, 19 females) were collected. Biotope was represented by small clearing in the mixed forest with domination of *Pinus sylvestris* and *Betula pendula*, besides undergrowth was consisted of *Tilia cordata*, *Euonymus verrucosa* and *Sorbus aucuparia*. The trap was fixed on a stem of *Betula pendula* at the edge of the clearing.

2. Quarter 368 of Mordovia State Nature Reserve, 6-17.6.2019 - 21 specimens (15 males, 6 females) were collected. Biotope was represented by a large clearing surrounded by mixed forest with domination of *Pinus sylvestris* and *Betula pendula*. The collecting site was mostly consisted of *Betula pendula*; undergrowth was composed of with *Tilia cordata*, *Quercus robur*, *Pinus sylvestris*, *Sorbus aucuparia* in the undergrowth. The trap was fixed on a stem of *Betula pendula* at the edge of the clearing.

3. Quarter 86 of National Park «Smolny», Kemlyanskoe forestry farm, 14-28.6.2019 - 43 specimens (34 males, 9 females) were collected. It was mixed forest with the domination of *Betula pendula* and *Pinus sylvestris*; undergrowth was composed of *Tilia cordata*, *Quercus robur* and *Sorbus aucuparia* - in the undergrowth.

A remarkable case of very distinct sexual dimorphism unknown before was observed. All males from the region have red elytra, all females (but one) have black elytra. Only one female has red elytra. Other specimens known to the co-authors from Central Russia demonstrate same colour dimorphism, though only a few specimens were known before. Several females with red elytra are preserved in the collection of M.L. Danilevsky from the Far Eastern Russia only, but no males with black elytra are known to us from anywhere.

A collection of Zoological Museum of Moscow State University includes 55 specimens (47 females and 8 males) of *L. thoracica*. and only 6 (females only) from European part of the former USSR (Ukraine, Moldavia, Russia). All 6 have black elytra. All males have red elytra, but 12 Siberian females (all from Primorsky Region) and 3 females from Manchuria also have red elytra.

So, *L. thoracica* from Central Russia and from Far East belong to different subspecies. The location of the transitional zone in Siberia are not known, neither its width. The species was described from Slovenia, but the range of variability of the nominative populations is not clear because too small number of specimens is available.

Available specimens from the area (Mordovia State Nature Reserve and Penza Region) are represented by 5 main colour forms:

1. Pronotum red (with narrowly black anterior and posterior margins), elytra red, abdomen red - 195 specimens (males only)

2. Pronotum red (with narrowly black anterior and posterior margins), elytra red, abdomen partly red - 33 specimens (males only: abdomen black with red apical segment, or abdomen red with black first segment, or abdomen red with black central areas of all segments)

3. Pronotum red (with narrowly black anterior and posterior margins), elytra red, abdomen black - 12 specimens (11 males and 1 female)

4. Pronotum red (with narrowly black anterior and posterior margins), elytra black, abdomen black - 55 specimens (females only)

5. Pronotum black, elytra black, abdomen black - 1 specimen (female)

So, a specimen with black pronotum represents the rarest aberration. One such female from the Far East Russia is represented in the collection of Zoological Museum of Moscow State University

***Purpuricenus kaehlerii rossicus* Danilevsky, 2019**

Totally 74 specimens (27 males, 47 females) were collected in 6 localities. Most of specimens were collected in two sites:

1. Penza Region, Mokshan district, 5 km south-western wards of Sumarokovo, 15-29.6.2019 - 44 specimens (19 males, 25 females) were collected. It was oak forest with dominating of *Quercus robur*, *Tilia cordata*, *Betula pendula*, *Fraxinus excelsior*; *Sorbus aucuparia* and *Frangula alnus* were in the undergrowth. The trap was fixed on a stem of *Quercus robur* at the edge of the forest.

2. Penza Region Mokshan district, Zasechnoe village, 15-29.6.2019 - 21 specimens (8 males, 13 females) were collected. It was a large forest with domination of *Quercus robur*, *Tilia cordata*, *Populus tremula* and *Corylus avellana*; *Euonymus verrucosa*, *Lonicera xylosteum*, *Padus avium*, *Sorbus aucuparia* were in the undergrowth. The trap was fixed on a stem of *Quercus robur* at the edge of the forest.

Morphologically all specimens are normal *P. k. rossicus*: prothorax is totally black, only one female has very small nearly indistinct lateral red spots; black elytral area is always large, never moved backwards.

71 specimens of *P. k. rossicus* from Russia, Ukraine and Moldavia are preserved in the collection of Zoological Museum of Moscow State University from Russia, Ukraine and Moldavia; 5 females only have small lateral prothoracic red spots, but a pair from Konotop (Northern Ukraine, Sumy Region) has red stripe along anterior pronotal margin widened laterally.

P. k. kaehlerii (Linnaeus, 1758) distributed in the West Europe often has distinct red lateral thoracic spots, which can be protruding along whole lateral and anterior thoracic margins; black elytral area is often more or less reduced and moved backwards, sometimes totally disappearing.

M.L. Danilevsky, A.B. Ruchin, L.V. Egorov

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**A new species of a new subgenus of *Toxeutes* Newman, 1840
(Coleoptera, Cerambycidae) from Australia**

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Key words: Coleoptera, Cerambycidae, *Prioninae*, *Aegosomatini*, *Toxeutes*, new subgenus, new species, Australia.

Abstract: *Toxeutes* (*Methylethelius*, **subgen n.**) *kozlovantoni*, **sp. n.** is described from Australia.

Introduction

Genus *Toxeutes* (type species: *Prionus arcuatus* Fabricius, 1787) is known from Tasmania to Philippines. Six species and two subgenera were included up to now. Five species belong to subgenus *Catypnes* Lameere, 1904 (type species: *Catypnes macleayi* Pascoe, 1864). A single species *T.* (s. str.) *arcuatus* (Fabricius, 1787) of the nominative subspecies is known from Tasmania only. *T.* (*Catypnes*) *pascoei* (Lameere, 1904) and *T.* (*Catypnes*) *macleayi* (Pacoe, 1864) are known from continental Australia. The analysis of the new specie shows that it is close to *T. arcuatus* and *T. pascoei*, but has a range of differences that show it's independence as species and shows necessity to be put in a new subgenus.

Material and methods

The authors have used methods of morphological examination. Comparative analysis is made using stereo microscope Zeiss Stemi 2000-C.

The following abbreviations are used to locate the storage of type specimens:

AT - the private collection of Andrey Yu. Titarenko (Moscow,

Russia)

RBINS - Royal Belgian Institut of Natural Sciences (Belgium, Bruxelles)

Toxeutes (Methylethelius subgen. n.)

Type species. *Toxeutes (Methylethelius) kozlovantoni*, **sp. n.**

Genus *Toxeutes* Newman, 1840 was described on the basis of curved spines of pronotum of males and unarmed tibia. Subgenus *Catypnes* (Lameere, 1904) was based on the absence of pubescence on male abdomen and big primitive mandibles in males of *Catypnes macleayi*.

Description. Eyes of *T. kozlovantoni*, **sp. n.** are almost round with a small uneven recess at the top in male and almost no sign of recess in female; eyes of *T. arcuatus* and *T. pascoei* have big recess in the middle; pronotum in male of *T. pascoei* and in both sexes of *T. arcuatus* with no denticle in the bases; shape of female pronotum in *T. pascoei* and in other species of *T. (Catypnes)* is very different, wide, glossy with small denticles of different shape; but in *T. kozlovantoni*, **sp. n.** pronotum is similar to pronotum of the genus *Rhineimegopsis* Komiya & Drumont, 2001. *T. arcuatus* has 2 long curved denticles on each side of pronotum that makes it highly distinctive. All *T. (Catypnes)* except male of *T. pascoei* have wide glossy head and pronotum, bigger mandibles that show their attribution to one subgenus; 3rd antennal segment in *T. (Methylethelius subgen. n.)* is long, much longer than the 1st segment; 3rd segment in *Toxeutes* (s. str.) is also long, but in all *T. (Catypnes)* 3rd segment is only slightly longer than the 1st segment.

Discussion. The new subgenus shows a number of morphological differences from *Toxeutes* (s.str.) and *T. (Catypnes)*, and so can't be attributed to any of these subgenera. The main character of the new subgenus is the similarity of males and females. While high level of sexual dimorphism is typical for *T. (Catypnes)* and *T. (s.str.)*. It might be that the female of *T. pascoei* stored in the Belgian museum doesn't belong to this specie; if it is so the subgenus of *T. pascoei* should be revised. Until now *T. pascoei* rests in *T. (Catypnes)* as its female

shows same characters as all *T. (Catypnes)*.

Etymology. The new subgenus is named after music band Methyl Ethel (Australia).

***Toxeutes (Methylethelius) kozlovantoni*, sp. n.**

Figs. 1-2

Description. Male (body length 32 mm) dark-brown, almost black; head small, narrower than pronotum, almost same length as pronotum; mandibles very short; eyes small; distance between eyes approximately 2,5 times wider than eye width with slight impression in the middle; pronotum almost hexagonal, 1,4 times wider than long with uneven median impression; pronotum at the angles and in the middle of the sides has 6 small spines, all spines almost of the same size; elytra long, 2,3 times longer than wide; each elytron has two carinae near the suture and a very small denticle at the sutural apex; humerus is almost rectangular with rounded angle; head and pronotum in dense coarse small punctures; elytra in dense, coarse big punctures; scutellum small round, in rare punctures; whole body including antennae covered by small rare erect golden hairs seen only under magnification; legs thin; antennae narrow, cover 2/3 of the body length; 1st antennal segment slightly wider than other segments, approximately 2,5 times longer than wide; 3rd segment long, as long as 4th and 5th segments together; antennae with small coarse punctation.

Female similar to male (body length: 30 mm); antennae slightly longer than half of the body; pronotum slightly smaller and more rounded than in male; legs slightly narrower; eyes without recess, male's eyes have small recess at the upper front edge; all other characters do not show any differences.

Type material. Holotype, male, Australia, Queensland state, Darling Downs reg., Millmerran env., Western Creek SF, XII.2017 - RBINS; Paratype, female, Australia, Queensland, Girraween NP, I. 2019 - AT.

Differential diagnosis. The holotype has some similarities with *Toxeutes arcuatus* from Tasmania and *T. pascoei* (Figs. 3-8), but is closer to the second species. Female of the new species does not show similarities to females of the both species.

Head is similar to the head of *T. arcuatus*, but differs by

different punctuation, clypeus shape and eye shape; 3rd antennal segment in *T. arcuatus* two times longer than 1st segment and longer than in *T. kozlovantoni*, **sp. n.**

Male of *T. kozlovantoni*, **sp. n.** has narrow head; head of *T. pascoei* is wide, as wide as pronotum, but with about same shape (Figs. 9-10), as well as same shape of clypeus and eyes; head punctuation of *T. kozlovantoni*, **sp. n.** smaller and less deep than in *T. pascoei*; 3rd antennal segment in *T. arcuatus* is two times longer than 1st segment and longer than in *T. kozlovantoni*, **sp. n.**

Mandibles of *T. kozlovantoni*, **sp. n.** small and short; mandibles, in *T. pascoei* slightly bigger and wider.

Pronotum of *T. pascoei* more convex, covered with small punctuation, with 3 glossy callosities; *T. kozlovantoni*, **sp. n.** has coarser and denser punctuation all over its pronotum; pronotal denticles of *T. pascoei* bigger and longer, hind edge without denticles (like in *T. arcuatus*).

Elytra of *T. kozlovantoni*, **sp. n.** with big coarse dense punctuation; in *T. pascoei* elytral punctuation smaller, less dense and becomes smaller to the apex; elytral carinae of *T. kozlovantoni*, **sp. n.** very distinct, in *T. pascoei* - obliterated.

Male pronotum in *T. pascoei* with long golden pubescence becoming denser laterally, pronotum in *T. kozlovantoni*, **sp. n.** evenly covered with relatively short erect dark-golden pubescence in males and females.

Antennae in male of *T. pascoei* long, noticeably longer than half of the the body, antennae of *T. kozlovantoni*, **sp. n.** only a little longer than half of the body.

1st antennal segment of *T. pascoei* short, more widened than in *T. kozlovantoni*, **sp. n.**, with small coarse punctuation; 1st antennal segment in *T. kozlovantoni*, **sp. n.** narrow, a little curved, with smaller, sparser and less deep punctuation, similar to other segments; 3rd antennal segment in *T. pascoei* short, as long as 1st segment; in *T. kozlovantoni*, **sp. n.** 3rd segment long, 1,5 times longer than the 1st.

Antennal segments in male of *T. pascoei* from 3rd to penultimate angular widened to the apex; antennal segments in *T. kozlovantoni*, **sp. n.** almost filiform.

Leg punctuation in *T. kozlovantoni*, **sp. n.** large, coarse and dense, in *T. pascoei* punctuation dense but smaller.

Tibial apex on the inner sides in *T. pascoei* with 2 big black denticles as well as in *T. arcuatus*, *T. kozlovantoni*, **sp. n.**

Mesosternal process in *T. kozlovantoni*, **sp. n.** wide with truncated edge, in *T. pascoei* narrower and rounded.

Femura in *T. pascoei* noticeably wider.

Discussion. The new specie is similar to both *Toxeutes* (s.str.) *arcuatus* and *T. (Catypnes) pascoei*, but doesn't show full coincidence.

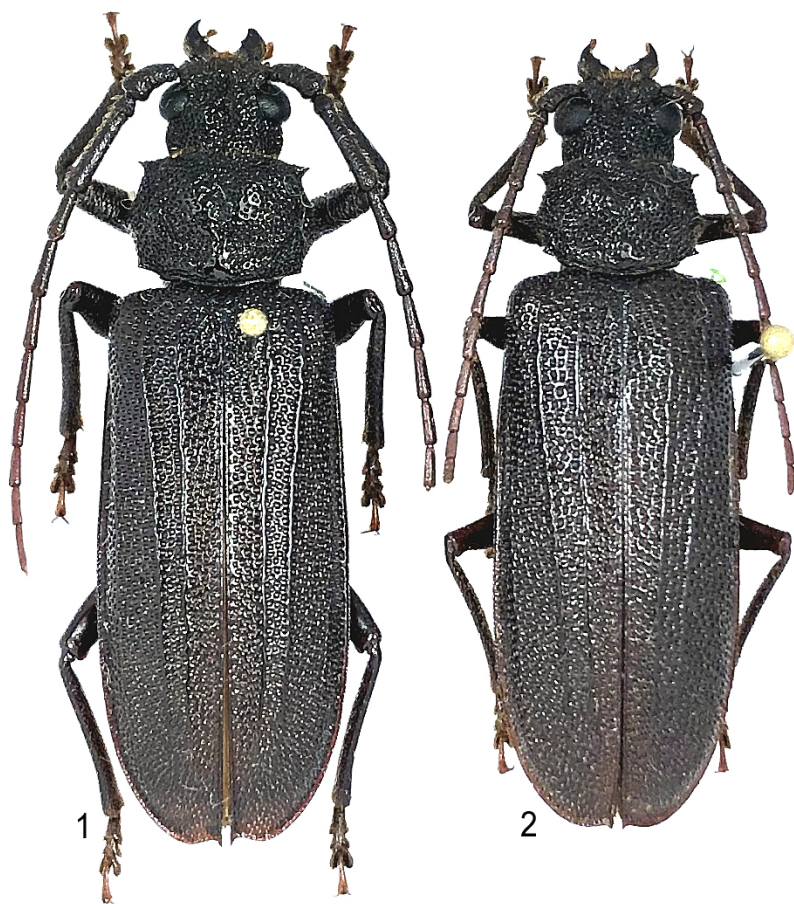
The new species shows evolutionary connection with *Rhineimegopsis rugicollis* (Komiya & Drumont, 2001), so its relation to *Toxeutes* and *Rhineimegopsis* needs further study.

Etymology. The new species is named after Anton Olegovich Kozlov (Moscow, Russia), Russian insect collector, who first suggested the attribution of the specimens to a new species.

Acknowledgements. We thank Alain Drumont (Bruxelles, Belgium) for the help in working with the collection of Belgium Museum and availability of Holotype of *Toxeutes pascoei* for comparision. Also we thank team of Belgium Museum and especially Florence Trus for sending us high quality photos of *T. pascoei* from the museum. We thank Alexey Kovalev (St. Peterersburg, Russia) for invaluable help in improving quality of the work and error indication. We thank Anton Kozlov (Moscow, Russia) for letting us explore specimen he received.

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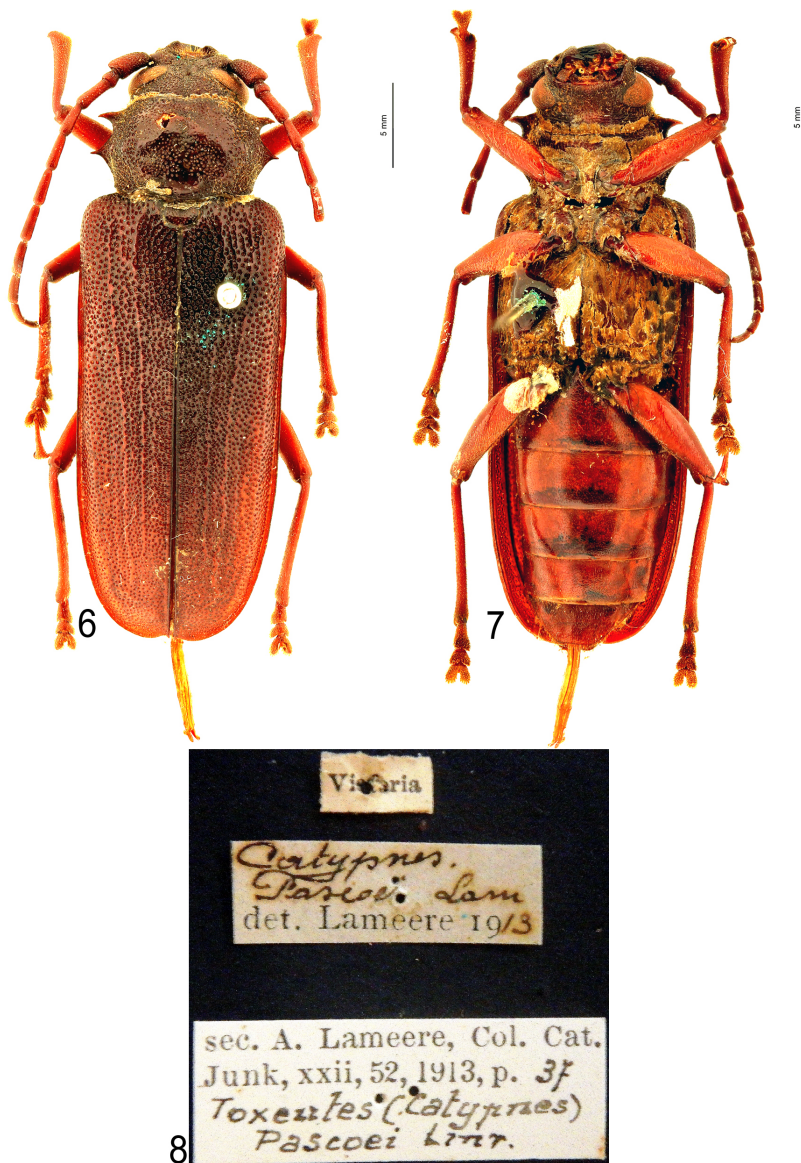
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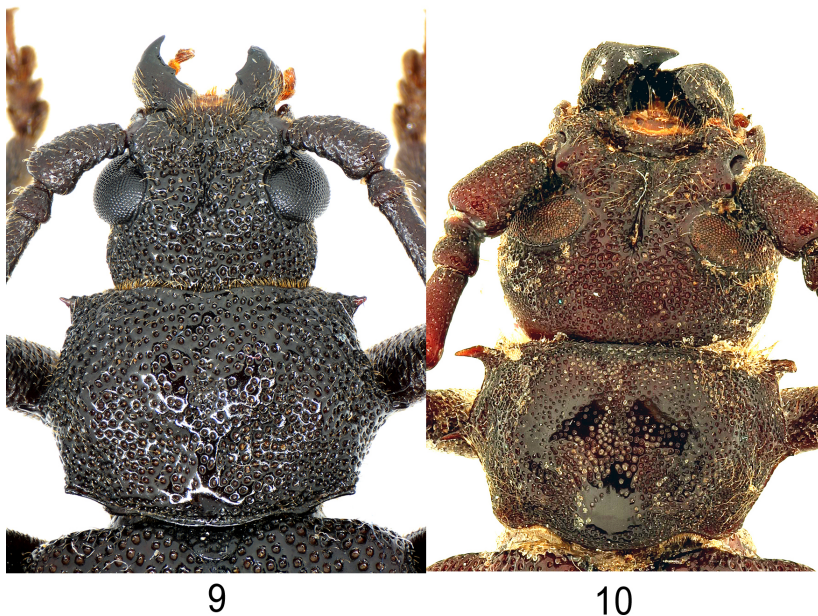
Figs. 1-2. *Toxeutes (Methylethelius, subgen. n.) kozlovantoni, sp. n.*:
1 - Holotype, male, 2 - Paratype, female.



Figs. 3-5. *Toxeutes (Catypnes) pascoei* (Lameere, 1904), holotype, male: 3 - dorsal view, 4 - ventral view, 5 - original labels.



Figs. 6-8. *Toxeutes (Catypnes) pascoei* (Lameere, 1904), female:
6 - dorsal view, 7 - ventral view, 8 - original labels.



Figs. 9-10. *Toxeutes* head and pronotum:

9 - *Toxeutes (Methylethelius, subgen. n.) kozlovantoni, sp. n.*, holotype, male;

10 - *Toxeutes (Catypnes) pascoei* (Lameere, 1904), holotype, male.

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A new genus of the tribe Cerambycini and a new species of the genus *Neocerambyx* Thomson, 1861 (Coleoptera, Cerambycidae) from China

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Key words: Coleoptera, Cerambycidae, Cerambycini, new genus, new species, China, Hainan.

Abstract: New synonyms are proposed *Neocerambyx* J. Thomson, 1861 = *Massicus* Pascoe, 1867, **syn. n.** A new genus *Bulbocerambyx* Lazarev, **gen. n.** (type species *Neocerambyx grandis* Gahan 1891) is described for 4 species from South-East Asia. A new species *Neocerambyx elenae* Lazarev, **sp. n.** close to *N. atratulus* (Holzschuh 2018) is described from China (Hainan Is.).

Introduction

The species composition of *Massicus* Pascoe, 1867 and *Neocerambyx* J. Thomson, 1861 were not generally accepted in scientific community. A precise application of morphological diagnosis for both genera shows its identity and necessity of an introduction of a new genus, which is described bellow.

A careful investigation of Cerambycidae materials from South-East Asia, preserved in the collection of S. Murzin (Moscow) showed the existence of a new species from China (Hainan Is.) described below.

Materials and methods

A photograph was taken with Canon PowerShot G10 digital camera equipped with Cannon Zoom lens 5X IS 6.1 - 30.5 mm 1:2.8 - 4.5 and microscope AmScope SM745NTP 7X-45X. The photograph was edited with Adobe Photoshop 7.0 and Helicon Focus 3.20. The type is deposited in the collection of M.A. Lazarev (Moscow, Russia) [ML].

Results

Genus *Bulbocerambyx* Lazarev, gen. n.

Type species. *Neocerambyx grandis* Gahan 1891

Description. The traditional definitions of *Massicus* Pascoe, 1867 (type species *Cerambyx pascoei* J. Thomson, 1857) and *Neocerambyx* J. Thomson, 1861 (type species *Cerambyx paris* Wiedemann, 1821) are not adequate. It was generally accepted that males of *Neocerambyx* have strongly swollen 3rd - 4th antennal joints and 3rd joint not much longer than 4th. In males of *Massicus* 3rd - 4th antennal joints are not swollen and 3rd joint is much longer than 4th. See, for example a key by Gressitt & Rondon (1970: 55): *Massicus*: “Antennal segment 3 much longer than 4; 3 and 4 not usually swollen; prothorax not toothed at side”; *Neocerambyx*: “Antennal segment 3 not much longer than 4; 3 and 4 often swollen apically or preapically; prothorax often obtuse or bluntly toothed at side”. But according to Hüdepohl (1990: 255) several *Neocerambyx* have “antennal segment 3 much longer than 4”. In fact males of *Neocerambyx paris* (Wiedemann, 1821) - the type species of the genus *Neocerambyx* J. Thomson, 1861 have thin 3rd - 4th antennal joints and 3rd joint much longer than 4th as in the type species of *Massicus* Pascoe, 1867. So, *Neocerambyx* J. Thomson, 1861 = *Massicus* Pascoe, 1867, **syn. n.**

All species of former *Neocerambyx* with really strongly swollen 3rd - 4th antennal joints in males and 3rd joint not much longer than 4th must be separated in a new genus *Bulbocerambyx* **gen. n.** (type species *Neocerambyx grandis* Gahan 1891). Besides the new genus is characterized by regularly oval lateral sides of prothorax without lateral tubercles, 1st antennal joint usually without apical spine, females antennae are often relatively short slightly surpassing elytral middle. *Bulbocerambyx* **gen. n.** includes at least four species: *B. grandis* (Gahan 1891), **comb. n.**, *B. gigas* (Thomson, 1878), **comb. n.**, *B. katarinae* (Holzschuh, 2009), **comb. n.** and *B. vitalisi* (Pic, 1923), **comb. n.**

Neocerambyx J. Thomson, 1861, **sensu n.** includes at least: *N. paris* (Wiedemann, 1821), *N. bakboensis* Miroshnikov, 2018, *N. luzonicus* Hüdepohl, 1987, *N. pellitus* (Itzinger, 1943), *N. raddei* Blessig, 1872, *N. pubescens* Fisher, 1936, *N. fryi* (Gahan,

1890), **comb. n.**, *N. intricatus* (Pascoe, 1866), **comb. n.**, *N. ivani* (Miroshnikov, 2017), **comb. n.**, *N. pascoei* (Thomson, 1857), **comb. n.**, *N. philippensis* (Hüdepohl, 1990), **comb. n.**, *N. punctulipennis* (Holzschuh, 2018), **comb. n.**, *N. scapulatus* (Hüdepohl, 1994), **comb. n.**, *N. subregularis* (Schwarzer, 1931), **comb. n.**, *N. sufficiens* (Holzschuh, 2018), **comb. n.**, *N. suffusus* (Gressitt & Rondon, 1970), **comb. n.**, *N. taiwanus* (Makihara & Niisato, 2014), **comb. n.**, *N. trilineatus* (Pic, 1933), **comb. n.**, *N. unicolor* (Gahan, 1906), **comb. n.**, *N. valentinae* (Miroshnikov, 2017), **comb. n.**, *N. venustus* (Pascoe, 1859), **comb. n.**, *N. atratulus* (Holzschuh, 2018), **comb. n.** and *N. regius* (Miroshnikov, 2019), **comb. n.**

Etymology. The new genus name is based on Latin “bulbus” - because of swellings on 3rd - 4th antennal joints.

***Neocerambyx elenae* Lazarev, sp. n.**

Fig. 1

Type locality. China, Hainan Island, Wuzhishan, 18°52'N, 109°40'E, 700 m.

Description. A single female available; body, antennae and legs totally uniformly black; frons and vertex covered with very fine pale pubescence, with very deep central furrow; the distance between antennal tubercles about equal to the length of 1st antennal joint; each tubercle with short but distinct dulled pimple; upper eye lobes separated by the width of each lobe; genae about as long as the apical width of 1st antennal joint and much shorter than lower eye lobe; antennae thin and long, reaching elytral apex; 1st antennal joint strongly widened apically with strong and sharp apical spine; 1st joint a little shorter than 4th, which is about 1.3 times shorter than 3rd; prothorax a little transverse, about 1.1 times shorter than basal width, with regularly oval lateral sides without spines or tubercles; about 1.3 times wider posteriorly, than anteriorly; pronotum coarsely sculptured; with about 8 irregular transverse rugae along middle; scutellum transverse, triangular, about glabrous; elytra parallel-sided, about 2.7 times longer than basal width, smooth, without costae, with very fine indistinct pale pubescence; elytral punctation also indistinct; elytral apices independently rounded; ventral thorax side covered by very dense silver short pubescence; legs long and thin, 1st

joint of posterior tarsi about as long as 2nd and 3rd combined; abdomen with sparse silver pubescence; last abdominal tergite with deep emargination; last abdominal sternite rounded; body length: 67 mm, body width: 18 mm.

Differential diagnosis. The new species is very close to *N. atratulus* (Holzschuh, 2018) described from Darjeeling (North India); but *N. atratulus* has distinct elytral pubescence. Elytra in the new species looks glabrous. First antennal joint in *N. atratulus* without apical spine; pronotal sculpture without transverse central rugae. Other species of the group could be with rather distinct elytral pubescence or if elytral pubescence indistinct with strong spine on 1st antennal joint.

Material. Holotype, female, China, Hainan Island, WuzhiShan, 18°52'N, 109°40'E, 700 m, 11-13.5.2002, Dr. R. Fencel lgt. – ML.

Etymology. The new species is dedicated to my good friend Elena Nikolaevna Piryazeva, an experience art critic who helps me to be on the top of the news of modern art.

Acknowledgement. I am very grateful to my friend Sergey Murzin, who supplied me with the materials for study.

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Fig. 1. *Neocerambyx elenae*, sp. n., female, holotype.

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**New records of *Purpuricenens globulicollis* Dejean, 1839
(Coleoptera, Cerambycidae) from Central Russia**

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Abstract: The findings of five *Purpuricenens globulicollis* specimens Dejean, 1839 (Coleoptera, Cerambycidae) in the Republic of Mordovia and Penza Region (Central Russia) are described. This is the first time this species is indicated for the Republic of Mordovia. Including these findings, the fauna of Cerambycidae has 110 species in Mordovia.

Introduction

Purpuricenens globulicollis Dejean, 1839 is known in Spain, France, Italy, Romania, Bulgaria, Greece, Slovakia, Switzerland, Albania, Macedonia, Austria, Bosnia and Herzegovina, Croatia, Czech Republic, Estonia, Germany, Serbia, Montenegro, Hungary, Slovenia (Bruneau de Miré, 1990; Sláma, 2006; Catalogue of Palaearctic Coleoptera, 2010; Hittaro, Anchez, 2012; Plewa et al., 2015). It lives in some regions of the European part of Russia, east to the Urals and Western Siberia and was found in Northern Kazakhstan (Danilevsky et al., 2007; Polumordvinov and Glebov, 2010). *P. globulicollis* is everywhere considered rare or very rare. It is known that there are 7 scattered localities in Spain and 11 in Italy; there is only one known habitat in Switzerland. In France, the species was considered mythical for a long time, but the use of crown traps made it possible to clarify its distribution (Allemand and Aberlenc, 1991). We faced the same situation: the use of fermental crown traps made it possible to study better the fauna and biotopes of Cerambycidae in Central Russia. *P. globulicollis* is rare in the Republic of Mordovia and its adjacent regions, while the similar

species *P. kaehleri* (Linnaeus, 1758) is much more common. In 2018, the use of crown traps helped discover new six *P. kaehleri* habitats (83 traps were installed) in the Republic of Mordovia (Ruchin and Egorov, 2018a, 2018b). However, no *P. globulicollis* samples were captured. 241 traps were installed in 2019 in the Republic of Mordovia, Nizhny Novgorod, Penza and Ulyanovsk regions. Using these traps, we were able to account for more than 120 *P. kaehleri* specimens from 32 localities. Also, new habitats of *P. globulicollis* were found.

Capture was carried out using simple fermental crown traps. Each trap consisted of a plastic five-liter container with a window cut into it on one side at a distance of 10 cm from the bottom. A rope with an attached trap was thrown onto a tree branch at a height of 8 to 10 m from the soil surface with the help of a load. In each case, fermenting beer, various mixtures of dry wine with honey, jam or sugar were used as bait (Egorov, Ivanov, 2018).

Results

Purpuricenus globulicollis Dejean in Mulsant, 1839

Totally 5 specimens were collected in 3 localities:

1) Penza Region, Mokshan district, Zasechnoe village (53°34'06.6"N, 44°42'07.4"E), 15-29.6.2019 - 2 specimens. This is a fairly large forest of overgrown origin. In the first tier, there were *Quercus robur*, *Tilia cordata*, *Populus termula*; the shrub layer consisted of *Corylus avellana* L., *Euonymus verrucosa* Scop., *Lonicera xylosteum* L., *Padus avium* Mill., *Sorbus aucuparia* L. The trap was located on the edge of the forest on *Quercus robur*.

2) Republic of Mordovia, Zubova Polyana district, Krym-Groza village (54°14'18.3"N, 42°30'46.4"E), 18.VI–3.VII.2019 – 2 specimens. The trap was located on the edge of a mixed forest, growing along the banks of a stream. The first tier consisted of *Betula pendula* and *Pinus sylvestris* with a significant inclusion of *Quercus robur* and *Populus termula*. Nearby there were the thickets of *Quercus robur* with *Betula pendula*. In the second tier, there were *Sorbus aucuparia* and *Tilia cordata*. The trap was on *Quercus robur*.

3) Republic of Mordovia, Temnikov district, Mordovia State Nature Reserve, quarter 330 (54°46'37.1"N 43°11'01.1"E),

10-19.6.2019 - 1 specimen. The first tier was represented by *Pinus sylvestris* (100%). The second tier was destroyed by a high-level ground fire. However, the first tier was preserved. The shrub layer was represented by the dense undergrowth of *Betula pendula* and *Populus tremula*, as well as *Chamaecytissus ruthenicus*, *Genista tinctoria*, *Rosa majalis*.

According to published data, the fauna of Cerambycidae of the Republic of Mordovia included 109 species (Ruchin, Egorov, 2018c, 2018d, 2018e; Egorov et al., 2019; Ruchin, Egorov, 2019). Nowadays, considering the finds of *P. globulicollis*, 110 species of Cerambycidae are reliably found in Mordovia

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A.B. Ruchin, L.V. Egorov

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Содержание // Contents

Гусаков А.А. Первая находка <i>Aphodius spalacophilus</i> Novikov (Coleoptera: Scarabaeidae: Aphodiinae) в Ульяновской области Gusakov A.A. The first record of <i>Aphodius spalacophilus</i> Novikov (Coleoptera: Scarabaeidae: Aphodiinae) from Ulyanovsk Oblast.....	1174
Данилевский М.Л., Ручин А.Б., Егоров Л.В. Массовые сборы двух редких жуков-усачей (Coleoptera, Cerambycidae) в Центральной России Danilevsky M.L., Ruchin A.B., Egorov L.V. Mass collection of two rare Longicorn-species (Coleoptera, Cerambycidae) in Central Russia	1179
Зубов А.С., Титаренко А.Ю. Новый вид и новый подрод <i>Toxeutes</i> Newman, 1840 (Coleoptera, Cerambycidae) из Австралии. Zubov A.S., Titarenko A.Yu. A new species and a new subgenus of <i>Toxeutes</i> Newman, 1840 (Coleoptera, Cerambycidae) from Australia	1184
Лазарев М.А. Новый род трибы Cerambycini и новый вид рода <i>Neocerambyx</i> Thomson, 1861 (Coleoptera, Cerambycidae) из Китая Lazarev M.A. A new genus of the tribe Cerambycini and a new species of the genus <i>Neocerambyx</i> Thomson, 1861 (Coleoptera, Cerambycidae) from China.....	1193
Ручин А.Б., Егоров Л.В. Новые находки <i>Purpuricenys globulicollis</i> Dejean, 1839 (Coleoptera, Cerambycidae) в Центральной России Ruchin A.B., Egorov L.V. New records of <i>Purpuricenys globulicollis</i> Dejean, 1839 (Coleoptera, Cerambycidae) from Central Russia.....	1198
О ЖУРНАЛЕ	1202
ABOUT THE JOURNAL	1203